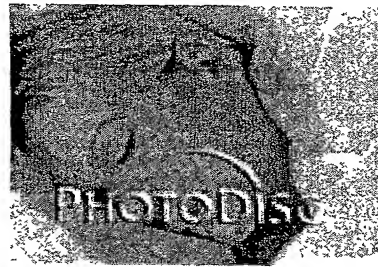


# TYPES OF ANTICIPATED ACTIVITY

1 **Very Low Activity**  
(Relaxation / Minimal Physical Exertion)



2 **Low Activity**  
(Heightened Awareness / Slight Physical Exertion)



3 **Low to Moderate Activity**  
(Interaction / Higher Levels of Physical Exertion)



4 **Moderate to High Activity**  
(Heightened Physical Activity)



5 **High Activity**  
(High Levels of Physical Exertion / Frequent Interaction)



6 **Very High Activity**  
(Exercise & High Energy Activities)



# TYPICAL ROOM OCCUPANCY

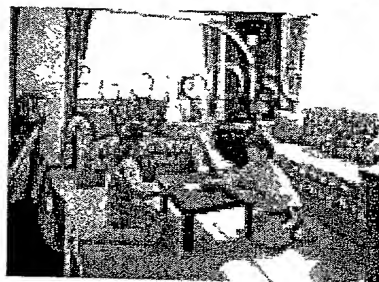
1 Solitary



2 Couples



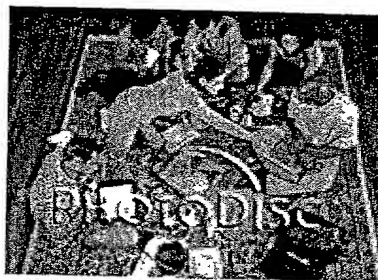
3 Family



4 More Family (or Friends)



5 Discussions /Meetings



6 Parties / Large Groups



EXPRESS MAIL NO. 694909615

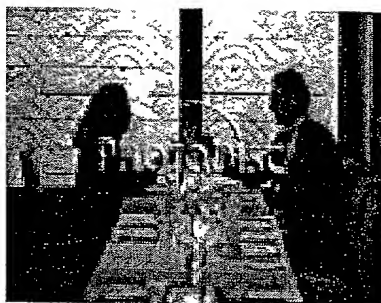
Figure 2

## AVAILABLE LIGHT / ALL SOURCES

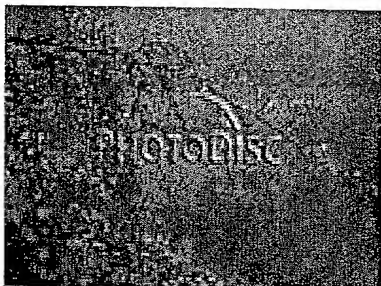
1 DARK



2 LOW LIGHT



3 MODERATE LIGHT



4 BRIGHT LIGHT



5 VERY BRIGHT LIGHT



# ROOM EXPOSURE

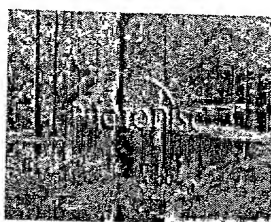
Southern Exposure



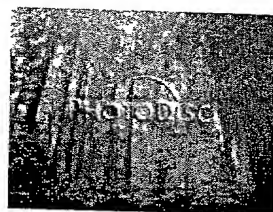
Western Exposure



Southeastern Exposure



Northwestern Exposure



Eastern Exposure



Northern Exposure



No Windows

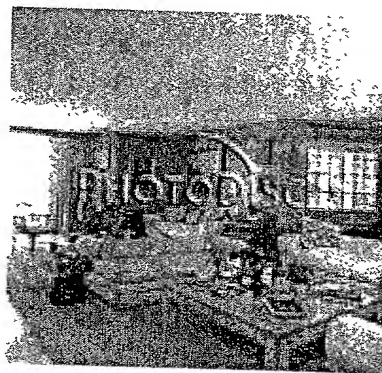


# DESIRED SPATIAL EFFECTS

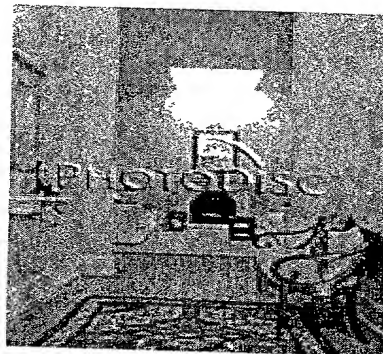
1 LARGE AND OPEN



2 LARGE BUT CONTAINED



3 SMALL BUT SPACIOUS



4 SMALL AND COZY



# Your Personal Room Color Profile

Room Selected:

## Your Favorite Color Family:

- Blue / Blue-Violet / Blue-Green ☐
- Yellow / Yellow-Green / Yellow-Orange ☐
- Red / Red-Orange / Red-Violet ☐

## Types of Anticipated Activity:

- Very Low Activity ☐
- Low Activity ☐
- Low- Moderate Activity ☐
- High - Moderate Activity ☐
- High Activity ☐
- Very High Activity ☐

## Typical Room Occupancy:

- Solitary ☐
- Couples ☐
- Family ☐
- More Family ☐
- Discussions / Meetings ☐
- Parties / Large Groups ☐

## Available Light / All Sources:

- Dark ☐
- Low light ☐
- Moderate ☐
- Bright ☐
- Very Bright ☐

## Room Exposure:

- South ☐
- West ☐
- Southeast ☐
- Northwest ☐
- East ☐
- North ☐
- No Exterior Exposure ☐

## Desired Spatial Effect:

- Large and Open ☐
- Large but Contained ☐
- Small but Spacious ☐
- Small and Cozy ☐

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Figure 6



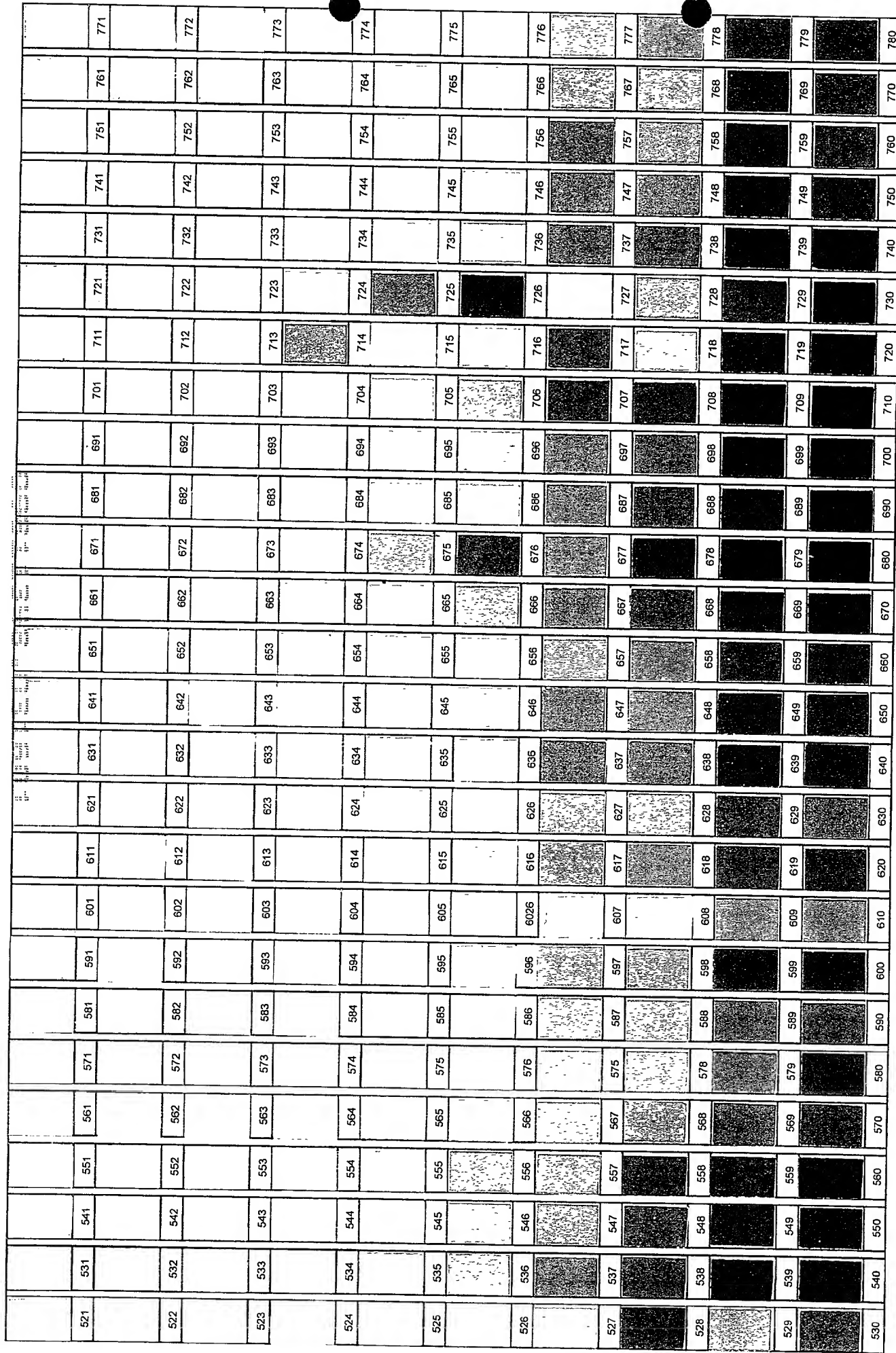
261	271	281	291	301	311	321	331	341	351	361	371	381	391	401	411	421	431	441	451	461	471	481	491	501	511
262	272	282	292	302	312	322	332	342	352	362	372	382	392	402	412	422	432	442	452	462	472	482	492	502	512
263	273	283	293	303	313	323	333	343	353	363	373	383	393	403	413	423	433	443	453	463	473	483	493	503	513
264	274	284	294	304	314	324	334	344	354	364	374	384	394	404	414	424	434	444	454	464	474	484	494	504	514
265	275	285	295	305	315	325	335	345	355	365	375	385	395	405	415	425	435	445	455	465	475	485	495	505	515
266	276	286	296	306	316	326	336	346	356	366	376	386	396	406	416	426	436	446	456	466	476	486	496	506	516
267	277	287	297	307	317	327	337	347	357	367	377	387	397	407	417	427	437	447	457	467	477	487	497	507	517
268	278	288	298	308	318	328	338	348	358	368	378	388	398	408	418	428	438	448	458	468	478	488	498	508	518
269	279	289	299	309	319	329	339	349	359	369	379	389	399	409	419	429	439	449	459	469	479	489	499	509	519
270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	450	460	470	480	490	500	510	520

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NorthStar Color Guidance System  
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Figure 7B



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NorthStar Color Guidance System  
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Figure 7C





11-11-11 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11  
 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11  
 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11 11-11-11

Abbey Slate	159	Airland Blue	230	Allure	25	Angel Peach	524	Apricot Tone	525	Aspen Meadows	344	Azalea	558
Abbeystone	512	Airwaves	223	Almost Aqua	292	Antioch Blue	49	Aqua Frost	234	Aspenwood	342	Azurean	235
Abigail	495	Airway	203	Aloha Orchid	764	Antique Brass	420	Aqua Pool	239	Aspiration	146	Baby Birch	661
Absinthe	311	Airy	81	Alpaca	624	Antique Ivory	602	Aquamarine Blue	226	Aster Purple	18	Baby Girl	732
Acacia	460	Alabaster	772	Alphalpha	358	Antique Linen	374	Aquarill	232	Auburn	650	Bacchus	767
Academy Gray	183	Alaska Jade	185	Alpine	118	Applewood	426	Aquatint	242	Aureole	482	Bahama Sea	227
Adriatic Haze	92	Alaskan Blue	155	Amber Leaf	638	Apricot Brandy	539	Arabian Green	294	Autumn Brown	595	Banana Split	491
Aged Teakwood	660	Alden Charcoal	127	Amber White	471	Apricot Fluff	621	Artic Spring	442	Autumn Crocus	56	Barbados Green	287
Air Blue	61	Alder	658	Angean Rose	728	Apricot Liqueur	514	Aspen Light	154	Autumn Eve	35	Bath Salt	533

Colors Contained on Example HLG  
 (arranged in alphabetical order, not  
 HLG order)

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Figure 8A

Page 1 of 13



11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Briny Deep	190	Bungalow Blue	166	Calm Sky	221	Cane	423	Castilian	408	Ceylon Ivory	384	China Blue	137
Bristol Blue	100	Bunting Blue	162	Calypso Ruffel	739	Canyon Mauve	686	Castle Keep	160	Chablis	463	Chocolate Milk	655
Bronze Sheen	380	Burlap	586	Camel's Hair	574	Cape Green	297	Catalina	220	Chalk Beige	404	Chocolate Mousse	698
Brown Rose	675	Burnt Orange	629	Cameo Green	246	Carlsbad Canyon	424	Catfish	398	Charade	258	Chocolate Shake	614
Brownberry	699	Burn't Sugar	579	Cameron	577	Carmine	709	Cattail	569	Charade Pink	714	Cicely	106
Brushwood	610	Butterscotch Pie	626	Camouflage Tan	576	Carnation Petal	723	Cedar Rose	758	Cheesecake	476	Cinnabar	688
Buckeye	637	Cactus Flower	724	Candelabra	502	Carolina Green	316	Centennial Gold	470	Chelsea	372	Cinnaswirl	684
Budding Bough	359	Calfskin	565	Candleglow	503	Carousel Green	314	Ceramic Beige	613	Cherokee Tan	647	Clarion	499
Buff	405	Calliope	500	Candy Green	317	Cassel Brown	428	Ceramic Jade	289	Chimes	71	Clearwater	225

Colors Contained on Example HLG  
(arranged in alphabetical order, not  
HLG order)

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Page 3 of 13 Figure 8C





















100% Recycled Paper  
No Chlorine Bleach  
No Acid  
No Heavy Metals  
No PVC  
No Phthalates  
No BPA  
No Lead  
No Cadmium  
No Hexavalent Chromium  
No Polychlorinated Biphenyls  
No Polybrominated Biphenyls  
No Polycyclic Aromatic Hydrocarbons  
No Organophosphorus Compounds  
No Organotin Compounds  
No Organotellurium Compounds  
No Organoselenium Compounds  
No Organocopper Compounds  
No Organozinc Compounds  
No Organonickel Compounds  
No Organocadmium Compounds  
No Organomercury Compounds  
No Organobismuth Compounds  
No Organogermanium Compounds  
No Organosilicon Compounds  
No Organosulfur Compounds  
No Organophosphorus Compounds  
No Organotin Compounds  
No Organotellurium Compounds  
No Organoselenium Compounds  
No Organocopper Compounds  
No Organozinc Compounds  
No Organonickel Compounds  
No Organocadmium Compounds  
No Organomercury Compounds  
No Organobismuth Compounds  
No Organogermanium Compounds  
No Organosilicon Compounds  
No Organosulfur Compounds

Sunlit Sea	244	Tahiti Blue	216	Tawny Copper	628	Tibetan Gold	496	Tropic Turquoise	229	Tyrol Blue	144	Violet Sequin	10
Sunset Cloud	625	Tame Blue	213	Tea N Cream	584	Tidal Foam	302	Tropical Orchid	756	Unicorn Blue	179	Violet Shadow	26
Sunset Pink	734	Tan Blush	653	Temple Gold	407	Tile Tan	538	Tropical Punch	549	Vanilla Cream	421	Wall Street	156
Sunset Snow	711	Tan Wisp	663	Tender Pink	631	Tinge of Peach	642	Tropical Sky	173	Vanilla Ice	561	Washed Pebble	362
Sweet Jewel	523	Tanberry	674	Teton Blue	215	Titian Orange	548	Tulip Wood	609	Vapor Mint	191	Waterway	184
Sweet Lilac	58	Tangelo	627	Thistle	13	Toasted Macaroon	622	Tuscan Blue	29	Verbena	768	Weathered Gray	778
Swirl Green	255	Tangerine	507	Thistledown	441	Touch-O-Lime	312	Tuxedo Gray	34	Verdian	200	Weeping Willow	340
Symphony Blue	120	Tangy Glo	526	Tiara Turquoise	217	Tropic Mist	171	Twig Green	347	Vicuna	564	Wharf Green	189
Tabor Hill	274	Tarragon	608	Tiber Gold	409	Tropic Tan	585	Twilight Chimes	54	Village Green	296	Wheatland	385

Colors Contained on Example HLG  
(arranged in alphabetical order, not  
HLG order)  
Page 12 of 13

EXPRESS MAIL NO. 694909615

Figure 8L



## SUMMARY OF LOGIC

1. Select room to be decorated.
2. Choose favorite Basic Color Family
3. On a scale of 1 to 10, estimate the level of activity anticipated for this space.  
10 might indicate a recreational space where, for example, people might be shooting pool, dancing, exercising, etc. 1 might indicate a room for sleeping, reading, or simply meditating.
4. Next, estimate the number of people that will typically use the room.  
10 would indicate large numbers of people; 1, solitary use such as a library or individual bedroom.
5. Now estimate the amount of natural light available in the room with 5 indicating no natural light, and 1 indicating a large amount.
6. Gauge the approximate exposure of the room.
7. Finally, consider spatial emphasis; how do you want to either enhance or overcome the room's inherent spatial limitations? Do you want the room to appear large and open, small and cozy, or somewhere in between?
1. Together, designer & client choose.
2. Reduces number of columns to 26.
3. Moves target indicator two columns in any given direction depending on the level of activity indicated by the customer. A ten would select the last two columns on the right in the direction of warmer colors; a three would select the 5<sup>th</sup> and 6<sup>th</sup> columns from the left boundary of the color family.
4. Fixes the target indicator on the row with 10 being on Row 1, 9 on Row 2, 8 on Row 3, etc. The target area is expanded four rows and four columns on each side from the intersection between the columns of step 3 and the target row chosen.
5. A choice of 4 or 5 moves the range to the top four rows of the target; choosing 3 to the middle four rows; 1 or 2 to the bottom four rows.
6. N or E corresponds to the warmest two columns; etc.
7. The final eight choices are divided into quadrants, with each quadrant representing one of the four spatial emphases. Small & cozy matches up with the warmest and darkest two of the eight colors, etc.

Figure 9

EXPRESS MAIL NO. 694909615

Sheet1 - 1

```
Private Sub Worksheet_SelectionChange(ByVal Target As Excel.Range)
```

```
End Sub
```

694909615

Figure 10A

694909615

EXPRESS MAIL NO. \_\_\_\_\_

End Sub

EXPRESS MAIL NO. \_\_\_\_\_

```

ThisWorkbook - 1

Private Sub Workbook_Open()

' Clear worksheets 2 thru 6
  Sheets("ColorPref").Select
  Range("A1:Z10").Clear
  Sheets("ActOcc").Select
  Range("A1:O5").Clear
  Sheets("LitExp").Select
  Range("A1:Z10").Clear
  Sheets("RESULTS").Select
  Range("A1:Z10").Clear

' Turn off alerts
  Application.DisplayAlerts = False

' Show splash screen
  UserForm2.Show

End Sub

```

Figure 10C

EXPRESS MAIL NO. 694909615



UserForm1 - 1

```

    activityLvl
Dim noOccupants
Dim lightLvl
Dim exposeLvl As String
Dim exposeNo
Dim rowCenter
Dim rowTop
Dim rowBottom
Dim colCenter
Dim colLeft
Dim colRight
Dim rowCount
Dim colCount

Private Sub AboutButton_Click()
    AboutInfo
End Sub

Private Sub ExitButton_Click()
    Application.Quit
End Sub

Private Sub FindButton_Click()
    ' Set color family
    Sheets("Color Chart").Select
    If Color.Text = "Blue / Blue-Green / Blue-Violet Family" Then
        Range("Blue").Select
    ElseIf Color.Text = "Yellow / Yellow-Green / Yellow-Orange Family" Then
        Range("Yellow").Select
    ElseIf Color.Text = "Red / Red-Orange / Red-Violet Family" Then
        Range("Red").Select
    Else
        MsgBox "Input error, programs halts.", vbCritical + vbOKOnly, _
            "Error!"
        Exit Sub
    End If
    Selection.Copy
    Sheets("ColorPref").Select
    Range("A1").Select
    ActiveSheet.Paste

    ' Set activity and occupancy levels
    activityLvl = CInt(Activity.Text)
    noOccupants = CInt(Occupancy.Text)

    ' Initialize counters
    rowCount = 0
    colCount = 0

    ' Figure new range center
    rowCenter = Int(9 - activityLvl)
    rowTop = rowCenter - 2
    rowBottom = rowCenter + 2
    colCenter = Int(3.4 * noOccupants + 1.6)
    colLeft = colCenter - 4
    colRight = colCenter + 4

    elect cells and copy --> ActOcc tab
    For colNumber = colLeft To colRight
        colCount = colCount + 1
        For rowNumber = rowTop To rowBottom
            rowCount = rowCount + 1
            Sheets("ColorPref").Select

```

UserForm1 - 2

```
Cells(rowNumber, colNumber).Select
Selection.Copy
Sheets("ActOcc").Select
Cells(rowCount, colCount).Select
ActiveSheet.Paste
Next
rowCount = 0
Next

' Set light and exposure levels
lightLvl = CInt(Light.Text)
exposeLvl = Expose.Text
If exposeLvl = "South" Then
    exposeNo = 1
ElseIf exposeLvl = "West" Then
    exposeNo = 1
ElseIf exposeLvl = "Southeast" Then
    exposeNo = 2
ElseIf exposeLvl = "Northwest" Then
    exposeNo = 3
ElseIf exposeLvl = "East" Then
    exposeNo = 4
ElseIf exposeLvl = "North" Then
    exposeNo = 4
ElseIf exposeLvl = "No windows" Then
    exposeNo = 5
Else
    MsgBox "Input error, programs halts.", vbCritical + vbOKOnly, _
        "Error!"
    Exit Sub
End If

' Initialize counters
rowCount = 0
colCount = 0

' Figure new range center
rowCenter = Int(0.5 * lightLvl + 1.5)
rowTop = rowCenter - 1
rowBottom = rowCenter + 1
colCenter = Int(exposeNo + 2)
colLeft = colCenter - 2
colRight = colCenter + 2

' Select cells and copy --> LitExp tab
For colNumber = colLeft To colRight
    colCount = colCount + 1
    For rowNumber = rowTop To rowBottom
        rowCount = rowCount + 1
        Sheets("ActOcc").Select
        Cells(rowNumber, colNumber).Select
        Selection.Copy
        Sheets("LitExp").Select
        Cells(rowCount, colCount).Select
        ActiveSheet.Paste
    Next
    rowCount = 0
Next

' Spatial emphasis effects
If Spatial.Text = "Large & Open" Then
    rowTop = 1
    rowBottom = 2
    colLeft = 1
    colRight = 3
ElseIf Spatial.Text = "Large but Contained" Then
    rowTop = 1
    rowBottom = 2
    colLeft = 3
```

Figure 10E

694909615  
EXPRESS MAIL NO. \_\_\_\_\_

UserForm1 - 3

```
colRight = 5
ElseIf Spatial.Text = "Small but Spacious" Then
    rowTop = 2
    rowBottom = 3
    colLeft = 1
    colRight = 3
ElseIf Spatial.Text = "Small & Cozy" Then
    rowTop = 2
    rowBottom = 3
    colLeft = 3
    colRight = 5
Else
    MsgBox "Input error, programs halts.", vbCritical + vbOKOnly, _
        "Error!"
    Exit Sub
End If

' Initialize counters
rowCount = 0
colCount = 0

' Select cells and copy --> RESULTS tab
For colNumber = colLeft To colRight
    colCount = colCount + 1
    For rowNumber = rowTop To rowBottom
        rowCount = rowCount + 1
        Sheets("LitExp").Select
        Cells(rowNumber, colNumber).Select
        Selection.Copy
        Sheets("RESULTS").Select
        Cells(rowCount, colCount).Select
        ActiveSheet.Paste
    Next
    rowCount = 0
Next

' Present results
UserForm1.Hide
UserForm3.Show

End Sub

Private Sub ResetButton_Click()
' Reset form
Color.Text = "Blue / Blue-Green / Blue-Violet Family"
Activity.Text = "1"
Occupancy.Text = "1"
Light.Text = "1"
Expose.Text = "South"
Spatial.Text = "Large & Open"
' Reset worksheets
Sheets("ColorPref").Select
Range("A1:Z10").Clear
Sheets("ActOcc").Select
Range("A1:I5").Clear
Sheets("LitExp").Select
Range("A1:E3").Clear
Sheets("RESULTS").Select
Range("A1:C2").Clear
End Sub

Private Sub UserForm_Initialize()
Color.List() = Array("Blue / Blue-Green / Blue-Violet Family", _
    "Yellow / Yellow-Green / Yellow-Orange Family", _
    "Red / Red-Orange / Red-Violet Family")
Activity.List() = Array("1", "2", "3", "4", "5", "6")
Occupancy.List() = Array("1", "2", "3", "4", "5", "6")
Light.List() = Array("1", "2", "3", "4", "5")
Expose.List() = Array("South", "West", "Southeast", _
```

UserForm1 - 4

```
        "Northwest", "East", "North", "No windows")
    Spatial.List = Array("Large & Open", "Large but Contained", _
        "Small but Spacious", "Small & Cozy")
' Reset Worksheets
    Sheets("ColorPref").Select
    Range("A1:Z10").Clear
    Sheets("ActOcc").Select
    Range("A1:I5").Clear
    Sheets("LitExp").Select
    Range("A1:E3").Clear
    Sheets("RESULTS").Select
    Range("A1:C2").Clear
End Sub

Private Sub UserForm_QueryClose(Cancel As Integer, CloseMode As Integer)
    If CloseMode = vbFormControlMenu Then
        MsgBox "You can't close this form like that.", vbOKOnly, "Error!"
        Cancel = True
    End If
End Sub
```

Figure 10G

EXPRESS MAIL NO 694909615

Step 1  
Choose a Favorite Color Family:

Step 2  
Typical Activity Level:  (1 = Sedentary, 6 = High Activity)  
Typical Room Occupancy:  (1 = Single Person, 6 = Many People)

Step 3  
Typical Light Level:  (1 = Low Light Level, 5 = High Light Level)  
Window Exposure:

Step 4  
Desired Spatial Effect:

Version 1.00.10 (Beta) Build 315

Figure 10H

EXPRESS MAIL NO. **694909615**

```

UserForm2 - 1

' NorthStar CGS Splash Screen

Private Sub UserForm_Activate()
    Application.OnTime Now + TimeValue("00:00:03"), "KillTheForm"
End Sub

Private Sub UserForm_QueryClose(Cancel As Integer, CloseMode As Integer)
    If CloseMode = vbFormControlMenu Then
        MsgBox "You can't close this form like that.", vbOKOnly, "Error!"
        Cancel = True
    End If
End Sub

```

Figure 10I

EXPRESS MAIL NO. 694909615



```

UserForm3 - 1

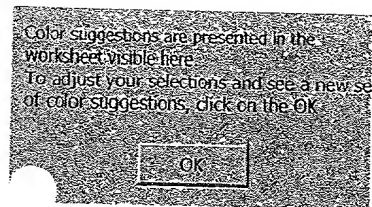
' Results presentation dialog box
Private Sub returnButton_Click()
    Unload UserForm3
    UserForm1.Show
End Sub

Private Sub UserForm_QueryClose(Cancel As Integer, CloseMode As Integer)
    If CloseMode = vbFormControlMenu Then
        MsgBox "You can't close this form like that.", vbOKOnly, "Error!"
        Cancel = True
    End If
End Sub

```

Figure 10J

694909615  
EXPRESS MAIL NO. \_\_\_\_\_



Color suggestions are presented in the worksheet visible here. To adjust your selections and see a new set of color suggestions, click on the OK.

Figure 10K

694909615  
EXPRESS MAIL NO. \_\_\_\_\_

Module1 - 1

```
' About Box verbage
Sub AboutInfo()
    About1$ = "NorthStar Color Guidance System"
    About2$ = "Version 1.00.10 BETA Build 315"
    About3$ = "Copyright 1999 NorthStar Marketing Co., LLC"
    About4$ = "All rights reserved."
    Abouttitle$ = "About this program..."

    MsgBox About1$ & Chr$(13) & Chr$(13) & About2$ & Chr$(13) &
        About3$ & Chr$(13) & About4$, vbInformation, Abouttitle$
End Sub
```

Figure 10L

694909615  
EXPRESS MAIL NO. \_\_\_\_\_

Module2 - 1

```
Private Sub KillTheForm()  
    Unload UserForm2  
    UserForm1.Show  
End Sub
```

Figure 10M

EXPRESS MAIL NO. 694909615

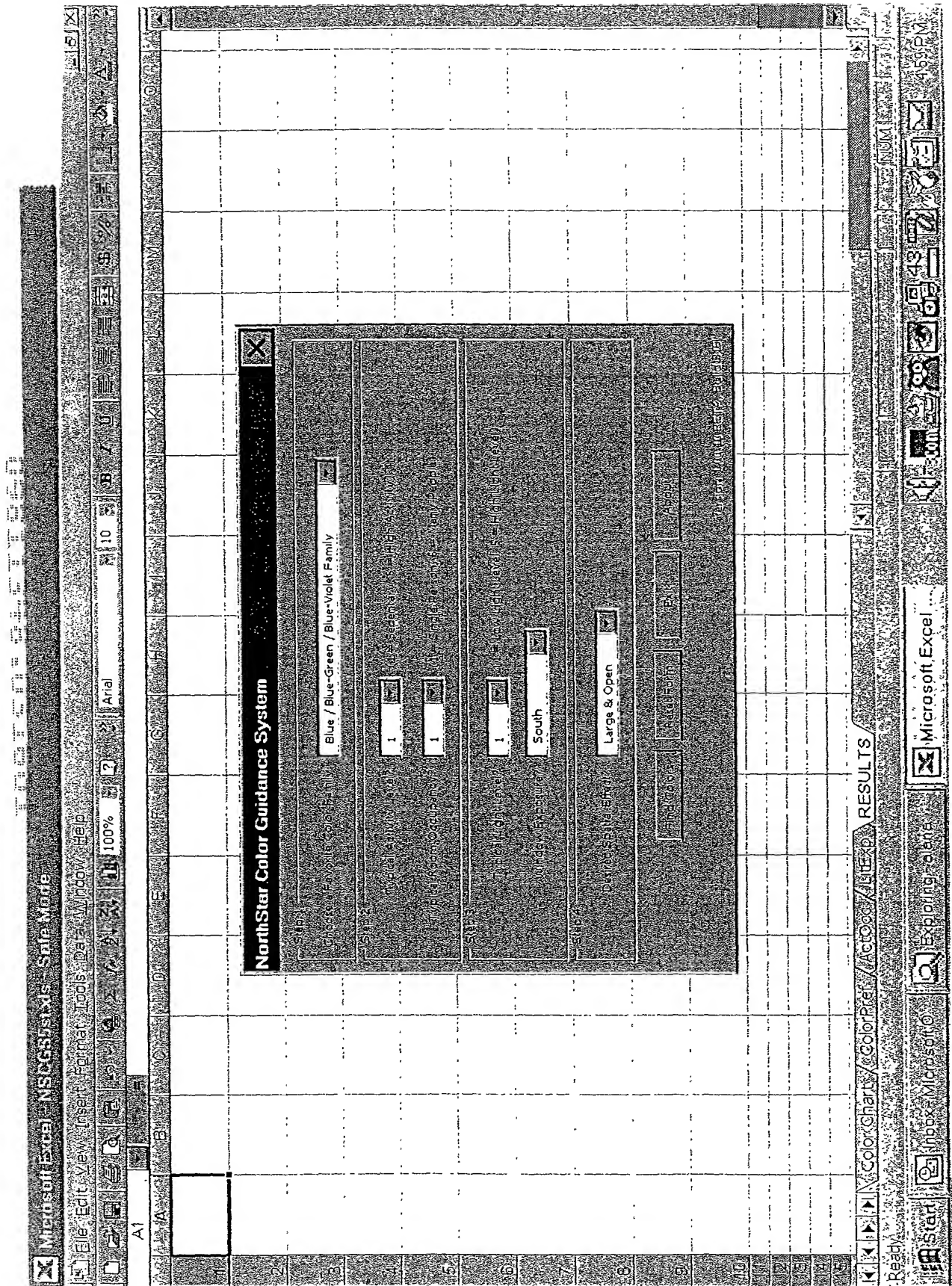


Figure 10N







EXPRESS MAIL NO 694909615

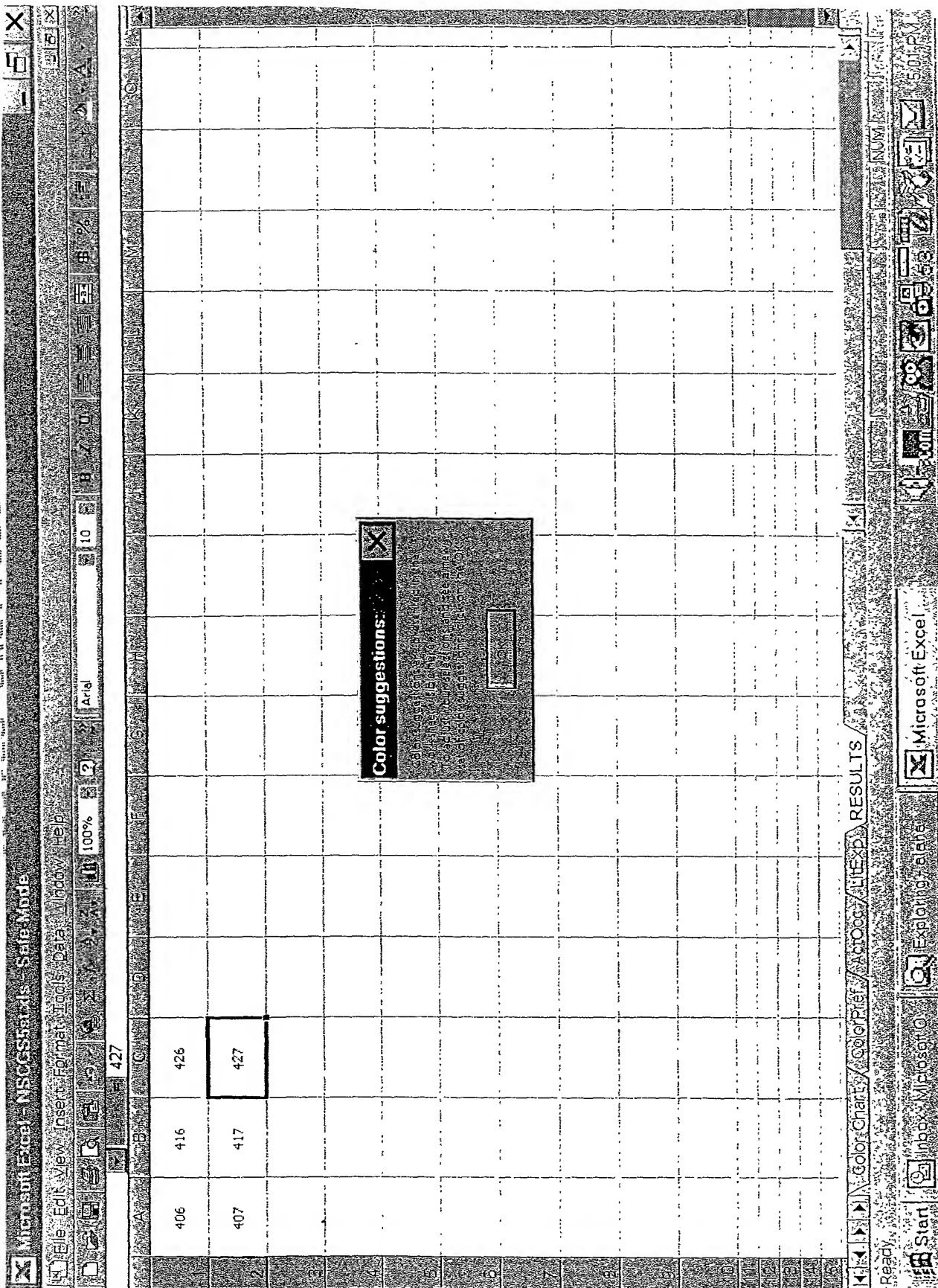
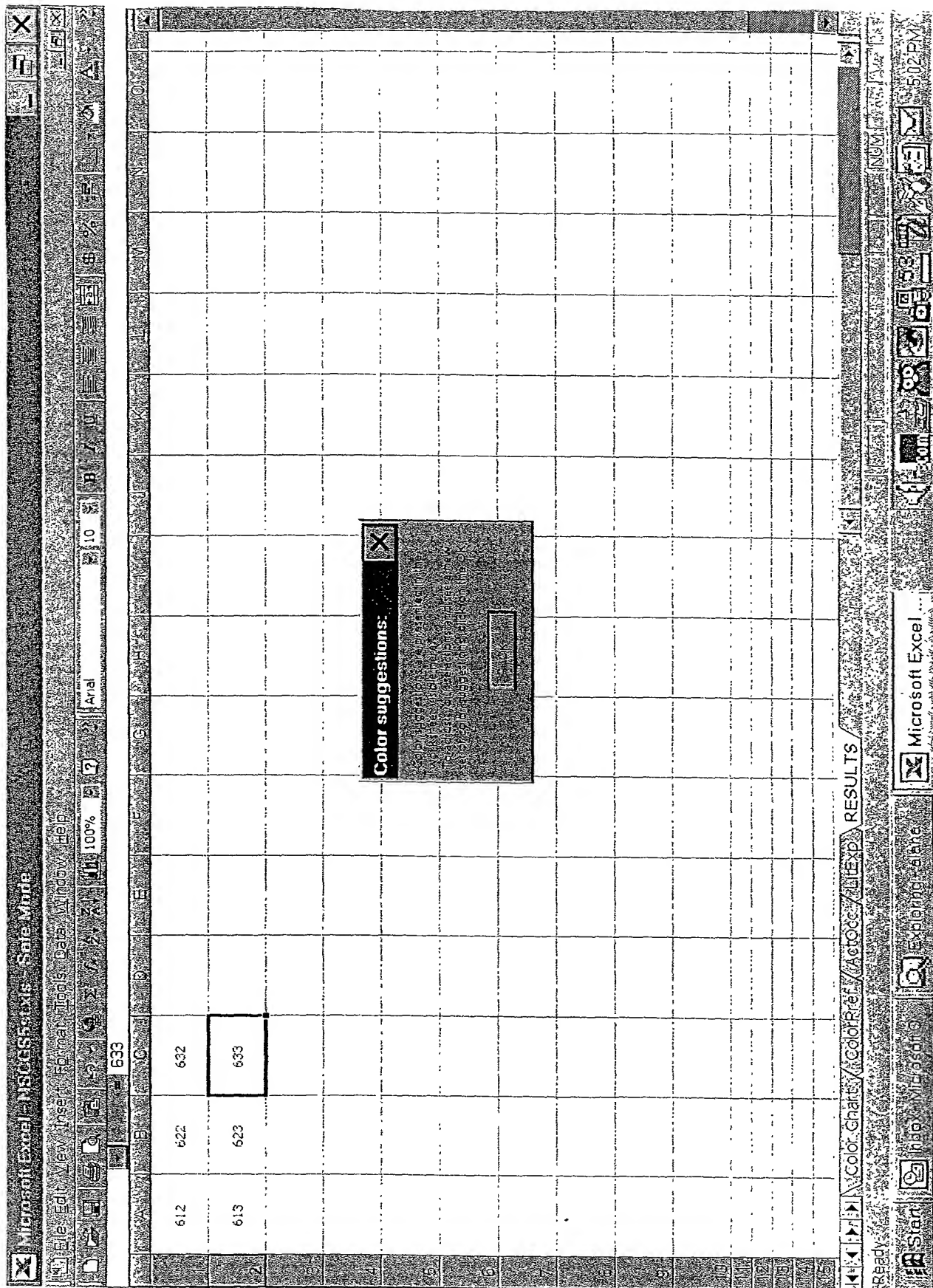


Figure 10Q





1 Figure 10R

694909615

EXPRESS MAIL NO. \_\_\_\_\_